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Attorney Docket Number: 18396/1074

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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|-----------------|--|-----------------|-----------|
| Application of: | Doorbar, J.  | Examiner:       | Mosher, M |
| Serial No.:     | 10/008,524   | Group Art Unit: | 1645      |
| Filed:          | November 5, 2001   | Conf. No.:      | 2747      |
| Titled:         | "Improvements in or Relating to Screening for Papilloma Viruses" |                 |           |

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8a**

I hereby certify that this correspondence (and any paper or fee referred to as being enclosed) is being deposited with the United States Post Office as First Class Mail on the date indicated below in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Kathleen M. Williams

Name of Person Mailing Paper

Signature of Person Mailing Paper

**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**TRANSMITTAL LETTER**

Dear Sir:

Enclosed for filing in the above-referenced patent application are the following documents;

1. Information Disclosure Statement;
2. USPTO Form 1449; and
3. Return Postcard.

The Commissioner is hereby authorized to charge any fees due to Deposit Account No. 16-0085, Reference No. 18396-1074. A duplicate of this letter is enclosed for that purpose.

Respectfully submitted,

Date: May 5, 2004

Name: Name Kathleen M. Williams  
Registration No.: 34,380  
Customer No. 29,933  
Palmer & Dodge LLP  
111 Huntington Avenue  
Boston, MA 02199-7613  
Tel: 617-239-0100



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Examiner: Mosher, M  
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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

In accordance with the duty of disclosure under 37 CFR § 1.56, Applicant submits this Information Disclosure Statement pursuant to 37 CFR §§ 1.97 and 1.98 in the above-identified application for consideration by the Patent Office.

A listing of the cited documents, as well as, for the Examiner's convenience, copies of all foreign patent documents and non-patent literature are enclosed. Pursuant to CFR § 1.97(e)(1), several items contained in the Information Disclosure Statement were first cited in a communication from a foreign patent office in a counterpart foreign application or International application. A copy of the Search Report is included and cited on the enclosed PTO-1449.

Applicant does not intend to represent that any of the documents submitted herein are material prior art to this invention or that the list represents an exhaustive search of documents related to this invention.

Applicant respectfully requests that the documents submitted herein be considered and made of record in this application.

Pursuant to CFR § 1.97(c)(2), because this Statement is being submitted after the mailing of the first Office Action on the merits, the Commissioner for Patents is hereby authorized to

charge the \$180.00 fee for late filing of an Information Disclosures Statement to Deposit Account No. 16-0085, Reference 18396/1074.

Respectfully submitted,

Date: May 5, 2004

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| USPTO Form 1449<br>U.S. Department of Commerce<br>Patent and Trademark Office<br><b>INFORMATION DISCLOSURE STATEMENT</b> |  | Attorney Docket No.                            | Serial No. |
|  |  | 18396/1074                                     | 10/008,524 |
|  |  | Applicant(s): Doorbar, J.                      |            |
|  |  | Filing Date: November 5, 2001      Group: 1648 |            |

**U.S. PATENT DOCUMENTS**

| Examiner Initial |  | Patent No. | Date | Name | Class | Subclass | Filing Date (if appropriate) |
|------------------|--|------------|------|------|-------|----------|------------------------------|
|                  |  |            |      |      |       |          |                              |
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**FOREIGN PATENT DOCUMENTS**

| Examiner Initial |  | Document No.    | Publication Date | Country | Class | Subclass | Translation |    |
|------------------|--|-----------------|------------------|---------|-------|----------|-------------|----|
|                  |  |                 |                  |         |       |          | YES         | NO |
| 1                |  | EP 0 451 550 A2 | October 1991     | EPO     |       |          |             |    |
| 2                |  | WO 91 18294 A1  | November 1991    | WIPO    |       |          |             |    |
|                  |  |                 |                  |         |       |          |             |    |
|                  |  |                 |                  |         |       |          |             |    |
|                  |  |                 |                  |         |       |          |             |    |

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)**

|   |   |
|---|---|
| 3 | J. Doorbar et al., <i>Analysis Of HPV-1 E4 Gene Expression Using Epitope-Defined Antibodies</i> , The EMBO Journal, Vol. 7, No. 3, 1988 Oxford UK, pages 825-833  |
| 4 | J. Doorbar et al., <i>Identification Of The Human Papilloma Virus-1a E4 Gene Products</i> , The EMBO Journal, Vol. 5, No. 2, 1986, Oxford UK, pages 355-362   |
| 5 | J. Doorbar et al., <i>Characterization Of Events During The Late Stages Of HPV 16 Infection In Vivo Using High-Affinity Synthetic Fabs To E4</i> , Virology, Vol. 238, No. 1, December 1, 1997, New York NY USA, pages 40-52  |
| 6 | Mark G. Frattini et al., <i>Induction of Human Papillomavirus Type 18 Late Gene Expression and Genomic Amplification in Organotypic Cultures from Transfected DNA Templates</i> , American Society for Microbiology, Journal of Virology, September 1997, pages 7068-7072 |
| 7 | Copy of International Search Report from parent application PCT/GB/03321  |

|          |                 |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

\*\*Copies of references not provided at the time of this submission.